

EXCERPTA MEDICA Sec 6 Vol 14/6 Internal Med. June 60

3337. A CASE OF GIANT FOLLICULAR LYMPHADENOPATHY (BRILL-SYMMERS) (Serbian text) - Ruvidić R. Int. Clin. B., Med. Fac., Beograd - SRPSKI ARHIV CELOK. LEK. 1959, 87/2 (195-203) Graphs 1 Tables 1 Illus. 4

There have been various opinions on the clinical picture and laboratory findings in Brill-Symmers disease. Most authors consider it to be a separate disease while there is only one who considers it to represent a stage through which any malignant lymphoma may pass. The case of a 37-year-old woman is presented in whom characteristic changes were found. At first, localization in the liver was predominant, apart from the glands and spleen. A leukaemoid picture prevailed in the peripheral blood. The disease showed a characteristic 2-stage evolution: in the course of the first 4.5 yr. the course was very slow, and sometimes it even came to a standstill for several months. Radiotherapy was successful in the first phase of the disease while later it became resistant. The terminal stage was characterized by transformation into reticulosarcoma. A considerable number of hyperbasophilic cells, probably of reticular origin, in microscopical specimens of the glands and spleen is considered to be characteristic for Brill-Symmers disease.

(VI. 5, 16)

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D001/D006

~~28(1)~~  
25(2) ✓

AUTHOR: Ruvimov, D.Ya., Engineer

TITLE: Automatic Piece-Feeding by Dual-Roller Devices

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1960, Nr 4, pp 7-10 (USSR)

ABSTRACT: After a description of the characteristics of automatic roller-type feeders (Fig 1) for centerless circular grinding machines, the author states that ENIMS, the Eksperimental'nyy nauchno-issledovatel'skiy institut metallovezhushchikh stankov (Experimental Scientific Research Institute for Metal Cutting Machines), has conducted research on all types of roller mechanisms in order to establish and verify the relationship between their basic parameters and to reveal their basic structural deficiencies. The results are given in equation, description and diagram, and relate to vibration

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Automatic Piece-Feeding by Dual-Roller Devices

in blanks being fed by rollers (Fig 2), the position of a blank in relation to the main roller (Figs 3 & 4), the geometry of rollers, the blank feeding rate, the rpm of rollers, roller support and contact (Fig 5) and roller position and arrangement. The ENIMS roller device is operated from a series PMS drive with asynchronous slip coupling and a centrifugal speed regulator. The drive permits stepless speed control in the 1 : 8 range and consists of a three-phase, asynchronous short-circuit motor, asynchronous slip coupling, a centrifugal speed regulator, a 380/36 or 220/36 v TPB-50 transformer and an AVS-60-38 AVS-60-41 seletron. The use of a feeding mechanism for the finishing process on centerless grinders halves labour expenditure since it requires only 1 worker for 2 machines. Assuming that a worker's

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annual wage is 10,000 rubles there would be a yearly economy of 5,000 rubles per machine. For precision work the author recommends the use of rollers with curvilinear surface configuration to minimize vibration in the blanks. There are 4 diagrams, 1 graph and 1 set of graphs. ✓

Card 3/3

PEROVIC, Lj.dr; RUVIDIC, R., dr.

Steroidi diabetes. Med. Glas. 18 no.11:367-370 N 164

1. Interna klinika B Medicinskog fakulteta u Beogradu  
(Upravnik: prof. dr. R. Berovic)

BEROVIC, Radivoje; prof. dr.; RUVIDIC, Rajko; ROLOVIC, Zoran; PENDIC, Smilja; BROZOVIC, Milica.

Hemolytic anemia. Clinical and hematological considerations.  
Srpski arh. celok. lek. 92 no.11:1049-1062 N'64.

1. Interna klinika B Medicinskog fakulteta Univerziteta u Beogradu (Upravnik: prof. dr. Radivoje Berovic); Centralna laboratorija za primenu radioaktivnih izotopa Radioloskog instituta Medicinskog fakulteta Univerziteta u Beogradu (Upravnik: prof. dr. Bogoljub Bosnjakovic).

BOZINOVIC, Lj., dr.; ROLOVIC, Z., dr.; RUVIDIC, R., dr.; DORDEVIC, B. S.,  
dr., prof.

Polycythemia vera with myocardial infarct. Med. glasn. 15 no.9/10:  
397-400 0 '61.

1. Interna klinika B Medicinskog fakulteta Univerziteta u Beogradu  
(Upravnik: prof. dr R. Berovic). 2. Clan Uredivackog odbora, "Medi-  
cinski glasnik" (for Dordevic).

(POLYCYTHEMIA VERA compl) (MYOCARDIAL INFARCT compl)

RUVIDIC, Rajko, dr.; BROZOVIC-VASIC, Milica, dr.; BROZOVIC, Branko, dr.

Cytochemical analysis of leukocytic alkaline phosphatase.  
Lijecni. vjesn. 26 no.1:13-23 Ja'64

1. Iz Interne klinike "B" Medicinskog fakulteta u Beogradu.

8

RUVIDIC, Rajko; BROZOVIC-VASIC, Milica; MILUTINOVIC-BRADIC, Lepsava;  
BROZOVIC, Branko

Determination of iron in the blood serum and bone marrow. Role  
in the diagnosis and therapy of anemias. Vojnosanit. pregl. 19  
no.4:280-288 Ap '62.

1. Medicinski fakultet u Beogradu, Interna klinika "B".  
(IRON METABOLISM) (BLOOD CHEMICAL ANALYSIS)  
(ANEMIA) (BONE MARROW)

S

RUVIDIC, Rajko, čr.

Agranulocytosis in favistan therapy. Med. glas. 17 no.5:198-201 My '63.

1. Interna klinika B Medicinskog fakulteta u Beogradu  
(Upravnik: prof. dr R. Berovic).  
(THYROID ANTAGONISTS) (AGRANULOCYTOSIS)  
(HYPERTHYROIDISM)

S

~~RUVIDIG, Rajko~~; STOJIMIROVIC, Branislav; PENDIC, Smilja;  
BROZOVIC-VASIC, Milica

Considerations on anemias in chronic renal insufficiency.  
Preliminary communication. Srpski arh. celok. lek. 90 no.2:  
155-161 F '62.

1. Interna klinika B Medicinskog fakulteta Univerziteta u  
Beogradu Upravnik: prof. dr. Radivoje Berovic Centralna  
laboratorija za primenu radioaktivnih izotopa Srpske akademije  
nauka i umetnosti u Beogradu Upravnik: prof. dr. Vojislav  
Arnovljjevic.

(ANEMIA etiolo) (KIDNEY DISEASES compl)

S

ANDREJEVIC, Mihajlo; RUVIDIC, Rajko

Case of chloroma. Srpski arh. celok. lek. 84 no.7-8:933-936  
July-Aug 56.

1. III Interna klinika Medicinskog fakulteta u Beogradu.

Upravnik: akademik prof. dr. Aleksandar Radosavljevic.

(LEUKOSARCOMA, case reports,  
mandible, in adolescent (Ser))

(MANDIBLE, neoplasms,  
leukosarcoma in adolescent (Ser))

ILIC, Antun; RUVIDIC, Rajko

Case of Rendu-Osler-Weber disease (hemorrhagic telangiectasis) with esophago-bronchial localization. Srpski arh. celok. lek. 84 no.7-8:937-940 July-Aug 56.

1. Klinika za uvo, nos i grlo Vojno-medicinske akademije u Beogradu. Nacelnik: puk. doc. dr. Ante Sokcic. III Interna klinika Medicinskog fakulteta u Beogradu. Upravnik: akademik prof. dr Aleksandar Radosavljevic.

(ANGIOMATOSIS, case reports,

Rendu-Osler-Weber dis. with esophago-bronchial localization

(Ser))

(ESOPHAGUS, diseases,

same)

(BRONCHI, diseases,

same)

RUVIDIC, R.

Case of glycogenosis (Morbus Gierke). Srpski arh. celok. lek.  
84 no.10:1138-1144 Oct 56.

1. III Interna klinika Medic. fakulteta u Beogradu, Upravnik:  
akademik prof. dr. Aleksandar Radosavljevic.  
(GLYCOGENOSIS, case report  
(Ser))

STOJANOVIC, V.; HDVIDIC, R.; RASOVIC, Lj.

Clinical and therapeutical aspects of esophago-bronchial fistulas. Acta chir. iugosil. 3 no.1:68-75 1956.

1. II Hirurska klinika Medicinskog fakulteta u Beogradu (upravnik: prof. dr. Vojislav Stojanovic) i III Interna klinika Medicinskog fakulteta u Beogradu (upravnik: prof. dr. Aleksandar Radosavljevic).

(FISTULA,

bronchoesopgacal, clin. manifest. & surg. (Ser))

(BRONCHI, fistula)

same

(ESOPHAGUS, fistula

same.)

DANILOVIC, Vojislav, doc. dr; ~~RUVIDIC, Rajko, dr~~; BOJANIC, Milan, dr;  
POPOVIC, Radivoje, dr; ~~POTNIK, Milan, dr~~

Primary atypical pneumonia. Med.glasn. 9 no.1:13-21 Jan 55.

1. III Interna klinika Medicinskog fakulteta u Beogradu (Upravnik  
prof. dr A. Radosvljevic)  
(PNEUMONIA, PRIMARY ATYPICAL)

RUVIDIC, Rajko

Case of giant follicular lymphoma (Brill-Symmers). Srpski arh. celok. lek.  
87 no.2:195-203 Feb 59.

1. Interna klinika B Medicinskog fakulteta u Beogradu Upravnik: prod.  
dr Radivoje Berovic.

(LYMPHOMA, GIANT FOLLICULAR, case reports,  
(Ser))

RUVIDIC, RAJKO

DANILOVIC, Vojislav: RUVIDIC, Rajko, NIKOLIC, Julijana

Disappearance of Schoenlein-Henoch purpura during infectious hepatitis.  
Srpski arh. celok. lek. 85 no.6:731-734 June 57.

1. Interna klinika B Medicinskog fakulteta u Beogradu. Upravnik: prof.  
dr. Radivoj Berovic.

(PURPURA, NONTHROMBOPEMIC, case report  
disappearance of manifest. during infect. hepatitis (Ser))  
(HEPATITIS, INFECTIOUS, case report  
disappearance of nonthrombopenic purpura during infect.  
hepatitis (Ser))

RUVIDIC, R.; ROLOVIC, Z.; PENDIC, S.; KANJUH, V.

A contribution to the study of the erythropoietic insufficiency and bone marrow aplasia during malignant neoplasms; on a case of generalized cancer of the breast with haemolytic anaemia and bone marrow aplasia. Acta med. iugosl. 15 no.3:241-250 '61.

1. Medical Clinic "B" Medical Faculty, University of Belgrade, Central Laboratory for Radioactive Isotopes Application, Serbian Academy of Sciences, Belgrade and Institute of Pathology, Medical Faculty, University of Belgrade.

(BREAST NEOPLASMS compl) (ANEMIA HEMOLYTIC etiol)  
(ANEMIA APLASTIC etiol)

RUVIC, Bajko; MICIC, Jovan; STEVANOVIC, Milivoje; ROLOVIC, Zoran;  
JANCIC, Marija

Acute thrombocytopenic purpura in a patient with chronic disseminated  
lupus erythematosus. Srpski arh. celok. lek. 89 no.1:93-98 Ja '61.

1. Interna klinika B. Medicinskog fakulteta Univerziteta u Beogradu.  
Upravnik: prof. dr Radivoje Berovic. Interna klinika A Medicinskog  
fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Branislav  
Stanojevic.

(PURPURA THROMBOPENIC compl)  
(LUPUS ERYTHEMATOSUS compl)

YUGOSLAVIA

ROVIDIC, Dr Rajko, Internal Medicine Clinic B (Interna Klinika B),  
Faculty of Medicine (Medicinski Fakultet), Belgrade. (Director: Prof.  
Dr. R. BEROVIC).

"Agranulocytosis During Treatment with 'Favistan'."

Belgrade, Medicinski Glasnik, Vol 17, No 5, May 1963, pp 198-201.

Abstract: Author's Serbocroatian summary modified The author discusses two cases in which "Favistan" had been used to treat hyperthyroidism. One patient recovered rapidly after treatment with large doses of antibiotics of a broad spectrum intravenously, but the other patient suffocated and died of a blocked windpipe. Changes in the bone marrow of the latter patient corresponded to those of the so-called "maturation" type of agranulocytosis, a phenomenon which must be correctly interpreted in therapy. Infection is the dominant complication. Other devices may be needed to combat such complications.

14 Western and Yugoslav references of recent date.

1/1

IL'KOV, B.F.; KIREYEV, G.A.; LOZOVSKIY, A.T.; LAKHMAN, I.L.; NIKOLAYEV, G.A.;  
PAVLUSHCHENKO, Y.P.; ROZHDESTVENSKIY, I.K.; RUVIMSKIY, I.M.; SAVINOV-  
SKIY, D.A.; SENCHENKO, Ye.F.; SEREDA, A.S.; SCKOLIK, V.D.; RASSADNI-  
KOV, Ye.I., redaktor; SHELYAGINA, A.A., redaktor; LARIONOV, G.Ye.,  
tekhnicheskij redaktor

[Operation of the Sredne-Uralsk Hydroelectric Power Station] Opyt  
ekspluatatsii Sredne-Ural'skoi GRES. Pod red. E.I.Rassadnikova i  
I.K.Rozhdestvenskogo. Moskva, Gos. energ. izd-vo, 1956. 103 p.  
(MLRA 10:1)

(Sredne-Uralsk Hydroelectric Power Station)

ALEKSANDROV, S.N., inzh; KEL'MAN, L.Ya., inzh; PLISAN, I.G., inzh;  
KAMENSKIY, S.K., inzh; RUVIMSKIY, I.M., inzh

Improving the feed-water tubing circuit. Elek.sta 29 no.9:58-64  
S '58. (MIRA 11:11)

1. Pridneprovskaya gosudarstvennaya rayonnaya elektricheskaya  
stantsiya.

(BOILERS)

PROKOPENKO, A.G., inzh.; GORESHNIK, A.D., inzh.; PALIYCHUK, A.S., inzh.;  
RUVIMSKIY, I.M., inzh.; SHALAGIN, A.D., inzh.; SHCHERBINA, A.V.,  
inzh.; YAKOVLEV, V.H., inzh.

Starting up turbine-boiler units after a holiday shutdown of  
24 hours. Teploenergetika 7 no.3:60-72 Mr '60. (MIRA 13:5)

1. Yuzhnoye otdeleniye Gosudarstvennogo tresta po organizatsii  
i ratsionalizatsii elektrostantsiy, Yuzhno-Ural'skaye  
gosudarstvennaya rayonnaya elektricheskaya stantsiya, Odesskaya  
teploelektrotsentral' i Stupinskaya teploelektrotsentral'.  
(Boilers) (Steam turbines)

VARAVITSKIY, I.B., kandidat tekhnicheskikh nauk; LINDKVIST, B.A., inzhener;  
LOZOVSKIY, A.T., inzhener; RUVIMSKIY, I.M., inzhener.

Operation of a small-size economizer. Elek.sta.27 no.6:5-9 Je '56.  
(Boilers) (MIRA 9:9)

PAVLOV, P.P.; KULIKOV, B.A.; ROVIMSKIY, V.A.; VOL'PE, S.M.

Determining the permissible current load for a single conductor of  
the KTO-4 logging cable. Energ.biul. no.10:1-3 0 '58.  
(MIRA 11:11)

(Electric cables)



BROZOVIC-VASIC, M.; RUVIDIC, R.

Leukocyte alkaline phosphatase in chronic granulocytosis  
leukaemia. Acta med. Iugosl. 18 no.2:157-168 '64

1. Medical Clinic "B", Medical Faculty, University of  
Belgrade, Belgrade.

L 47357-66 ENT(1)

ACC NR: AP6030573

SOURCE CODE: UR/0413/66/000/016/0054/0055

INVENTOR: Ivanchuk, B. N. ; Lipman, R. A. ; Meriin, L. M. ; Ruvinov, B. Ya.

ORG: none

TITLE: Controlled-frequency pulse generator. Class 21, No. 184934

SOURCE: Izobreteniya, promyshlennyye obraztsy. tovarnyye znaki, no. 16, 1966, 54-55

TOPIC TAGS: pulse generator, transistor

ABSTRACT: An Author Certificate has been issued describing a controlled-frequency pulse generator (see Fig. 1) containing an integrating RC-circuit and a slave blocking-generator in the transistor. To increase the frequency stability of output pulses, a stabilatron tube is inserted in the main transistor, connected in parallel with a charge capacitance. To increase the capacity of output pulses, a source of supplemental emf is connected to the collector transistor. Orig. art. has: 1 figure. [Translation] [NT]

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UDC: 621.373.424:621.382.3

L 47357-66

ACC NR: AP6030572

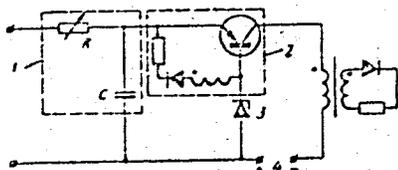


Fig. 1. Controlled-frequency pulse generator.

1—RC-circuit; 2—slave blocking generator in the transistor; 3—stabilatron tube; 4—source of supplemental emf.

SUB CODE: 10/ SUBM DATE: 02Mar65/

Card 2/2 int

IVANCHUK, B.N. (Moskva); LIPMAN, R.A. (Moskva); RYKOV, B.Ya. (Moskva)

Transistorized magnetic amplifiers for a.c. motor control.  
Elektrichestvo no. 11:44-50 N '65. (MFR 18:11)

IVANCHUK, B.N.; LIPMAN, R.A.; RUVINOV, B.Ya.

A d.c. amplifier using regulated diodes with full-wave power  
supply. Elektrichestvo no.10:59-64 0 '62. (MIRA 15:12)

1. Moskovskiy energeticheskiy institut.  
(Amplifiers (Electronics))

ACCESSION NR: AT4040781

S/2657/64/000/011/0130/0143

AUTHOR: Ivanchuk, B. N., Lipman, R. A., Ruvinov, B. Ya.

TITLE: Simplified amplifier circuits using controllable valves with an active-inductive load

SOURCE: Poluprovodnikovyye pribory i ikh primeneniye; sbornik statey, no. 11, 1964, 130-143

TOPIC TAGS: amplifier, DC amplifier, valve, controllable valve, semiconductor device, rectifier, gain factor

ABSTRACT: The authors note that the power circuit of amplifiers with DC output using semiconductor valves is normally based on well-known rectifier circuits. A full-wave rectifier arrangement with differential transformer, requiring a minimum number of valves (see Figure 1. a in the Enclosure), is also used. The active-inductive load in this Figure is normally shunted by a so-called reverse valve  $\Delta_0$ . However, in those cases in which the inductive component of the load resistance  $2\pi f L_H$  ( $f$  is the frequency of the supply net) is rather large in comparison with the active component  $R_H$ , the possibility is presented of employing, in place of the circuit shown in Figure 1. a, the far simpler

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arrangement shown in Figure 1.b. This set-up makes use of only one controllable (BY) and one uncontrolled ( $\Delta$ ) valve. The feasibility of the effective utilization of the circuit arrangement given in Figure 1.b flows from the fact that with half-wave rectification the magnitude of the load current depends both on the active as well as on the inductive component of the load resistance, while in the case of full-wave rectification the mean value of the load current is determined by the active component alone. Thus, when the following condition is fulfilled

$$\frac{\omega L_n}{R_n} > 1, \quad (1)$$

this amplifier arrangement permits a wide range of current. The operation of this circuitry is examined in detail. A substantial shortcoming of the circuits shown in Figures 1, a and 1, b is the presence of the transformer  $T_p$ , through which the full load power is transmitted. The authors explain how this defect can be eliminated by feeding the circuit with a three-phase AC net, as shown in Figures 1, c and 1, d. Figure 1, e shows the power circuit of an amplifier with controllable valves with a 3-phase rectification set-up in which one of the valves can be uncontrolled, if condition (1) is

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fulfilled. In the article, the authors have demonstrated that, with an active-inductive load and time constant sufficiently large with respect to the period, it is possible to dispense with the control of one of the valves. A general analysis of the operation of these simplified circuit arrangements is made and it is shown that the basic characteristics of the amplifiers based on Figures 1, b, c, and d (form of the input-output characteristic, efficiency of valve utilization) practically coincide, with the exception of the multiple to which the load current may be varied; that is, the amplification factors. Formulas are given in the text whereby this multiple or gain factor can be calculated for the different types. Orig. art. has: 7 figures and 19 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: EC

NO REF SOV: 003

OTHER: 001

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ENCLOSURE: 01

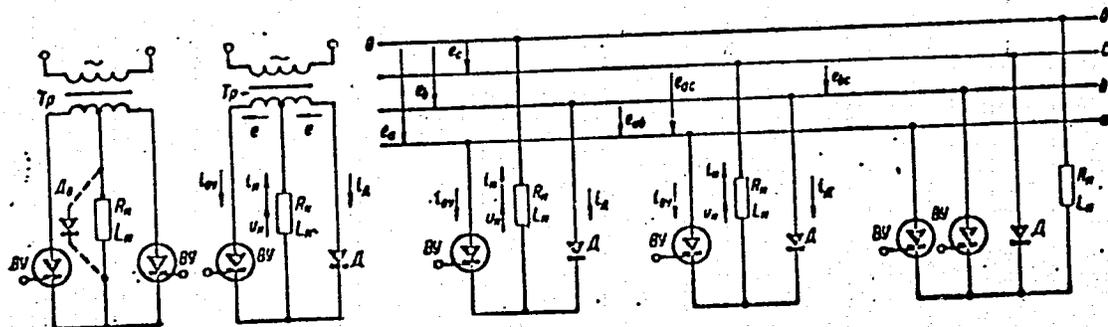


Fig. 1. Power circuit variants of amplifiers using controllable valves.

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IVANCHUK, B.N. (Moskva); LUPMAN, R.A. (Moskva); RUVINOV, B.Ya. (Moskva)

Single-valve full-wave magnetic amplifier. Avtom. i telem. 23  
no. 12:1701-1711 D '62. (MIRA 15:12)  
(Magnetic amplifier(s))

IVANCHUK, Boris Nikolayevich; LIPMAN, Roydzhoy Aleksandrovich;  
RUVINOV, Boris Yakovlevich; CHILIKIN, M.G., red.;

[D.C. amplifiers with p-n-p-n structure] Tiristornye usiliteli postoiannogo toka. Moskva, Energiia, 1964. 94 p.  
(Biblioteka po avtomatike, no.117. Elektroprivody s poluprovodnikovym upravleniem) (MIRA 17:11)

RUVINOV, B.Ye., kand. tekhn. nauk

Automatic roller-type feed mechanisms. Mekh. i avtom. proizv.  
19 no.7:27-29 J1 '65. (MIRA 18:9)

RUVINOV, D. Ya.

Automatic feed of rings in centerless grinding. Avt.prom. 27  
no.6:31-35 Je '61. (MIRA 14:6)

1. Eksperimental'nyy nauchno-issledovatel'skiy institut metal-  
lovezhishchikh stankov (ENIMS).  
(Grinding machines)

22630  
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A161/A133

1.5100

AUTHOR: Ruginov, D.Ya., Engineer

TITLE: Sectional loading devices for centerless grinders

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, no. 1, 1961,  
39-42

TEXT: Detailed information on roller-type loading devices referred to in the article had been published in "Mekh. i avtom. proizvodstva", No.4, 1960, p.7. Their general features of design are discussed and recommendations are given as to dimensions. The devices rotate blanks (e.g., bearing races) being advanced to the grinding wheel. They consist of a set of rollers mounted at a certain angle on a shaft so as to ensure a constant main contact angle over the entire length of the set. The intersection points of the shifted butt faces are on one straight line, and the contact line of the rollers with the blank is parallel to it and does not change at any turn of the roll to produce a different contact angle. The inclined rollers are moving

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Sectional loading devices ...

the blank by friction. The main element in the device is the roll (Fig.3). Rollers (1) rotate free on bushings (2) fitted on axle (3). The bushings are fixed with key (4). The inclined position of the rollers is achieved by the position of their bore axis. Torque is transmitted to the rollers by pins (5). Driving pins (6) are moved by sprocket wheel (7). A line traced on sector (8) determines the line of contact with the blank. The roll with the rollers may be turned about the shaft (9) for different contact angles. Since the blanks contact every cylindrical roller in one point only they may vibrate, and their vibration in the continuous stream of blanks moved by the device is detrimental to the accuracy of grinding. The vibration amplitude depends on the blank length. The error  $\Delta_u$  of the roller shape is

$$\Delta_u = \frac{D_p}{2} - y_0 \text{ mm} \quad (4)$$

where  $D_p$  is the roller diameter in mm. Oscillations amplitude of blanks is calculated for different roll/blank lengths ratios. The highest amplitude is at  $h = H \Delta_{ru}$ , and zero at  $h \geq 2H$ . Hyperboloidal rollers are suggested instead of cylindrical ones, for the straight generatrix of this geometrical figure is inclined to its axis, and

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Sectional loading devices ...

this may be well utilized, though oscillations will not disappear completely. The use of tapered rollers is also suggested, as causing lower amplitude than cylindrical. The article includes a graph illustrating the determined dependence of the oscillation amplitude of the blanks on the blank length (h) (Fig.9) and the formula for the blank feed speed in unrestricted flow:

$$v_n = \frac{\pi D_n \cdot \text{tg } \alpha}{60} \eta \quad (15)$$

where D is the roller diameter, in mm; n - the rollers r.p.m.;  $\alpha$  - the incline angle of the roller axis to the blank axis;  $\eta$  - the slip coefficient. For restricted blanks flow the feed is to be determined as for solid-roll loading devices. It is recommended to use the ПМС (PMS) stepless speed variator drive for the devices. The PMS drive has been developed at ENIMS. There are 9 figures and 1 table.

X

Card 3/5

RUVINOV, D.Ya.; MALOV, A.N., prof., retsenzent; SEMENCHENKO, V.A.,  
red. izd-va; EL'KIND, V.D., tekhn.red. --

[Automatic feed of centerless grinding machines] Avtomaticheskaia zagruzka bestsentrovoshlifoval'nykh stankov. Moskva, Mashgiz, 1963. 103 p. (MIRA 16:4)  
(Feed mechanisms) (Grinding machines)

KONSTANTINOV, V.I.; SUTOVSKIY, S.M.; Primali uchastiye: MARTIROSOV, Zh.G.;  
RUVINOV, E.S.; GULIYEV, A.M.; KITUSHINA, I.A.; NIFONTOV, P.R.;  
CHUDAKOV, V.A.

Automatic measurement of chlorine concentration in anodic gas.  
TSvet. met. 36 no.5:45-51 My '63. (MIRA 16:10)

1. Nauchno-issledovatel'skiy i proyektnyy institut "Neftekhimavtomat"  
(for Martirosov, Ruvinov, Guliyev, Kitushina).

ETTEL', Abram Vladimirovich; GUSACHENKO, K.I., inzh., retsenzent; SLUZHEV-  
SKIY, TS.Ya., inzh., retsenzent; SHAMRO, G.A., inzh., retsenzent;  
RUVINSKIY, G.M., inzh., retsenzent; PADRUL', Z.Ya., inzh., red.;  
FAL'KO, O.S., red. izd-va; EL'KIND, V.D., tekhn. red.

[Technology of agricultural machinery manufacturing] Tekhnologiya  
sel'skokhoziaistvennogo mashinostroeniia. Moskva, Gos.naukhho-  
tekhn. izd-vo mashinostroit. lit-ry, 1961. 287 p. (MIRA 14:6)

1. Rostovskiy-na-Donu tekhnikum sel'skokhozyaystvennogo mashino-  
stroyeniya (for Gusachenko, Sluzhevskiy, Shamro). 2. Kirovograd-  
skiy tekhnikum sel'skokhozyaystvennogo mashinostroyeniya (for  
Padrul')

(Agricultural machinery industry)

ZAK, Yu.A.; RUVINSKIY, L.A.

Using the system of network planning in the woodpulp and  
paper industry. Bus. i der. pron. no.413-10 O-D '65.

(MIRA 18:12)

L 63221-65

ACCESSION NR: AR5005502

S/0271/64/000/012/B064/B064  
681.142.353SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.  
Sv. t., Abs. 12B366

AUTHOR: Ruvinskiy, L. A.

TITLE: Application of an information machine is the first stage of adoption of  
computer equipment in industryCITED SOURCE: Tr. Vses. n.-i. in-ta tsellyuloznoy prom-sti, vyp. 49, 1964,  
132-144

TOPIC TAGS: information machine, paper machine, paper production

TRANSLATION: In 1963, an ELRU-2 electronic logical recording device was installed on a paper machine; the device performed: (1) measuring and 3-digit recording of process parameters with sequential scanning; (2) comparing each parameter with its tolerances; (3) point recording of any six preselected parameters on the standard EPP-09 chart; (4) automatic 2- or 3-position control of the process parameters. A correlation matrix of the interrelations among the process parameters is presented; on this basis, the measurands are selected. Two programs of information-machine operation are provided. The first program permits setting the parameters

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D 83221-85  
ACCESSION NR: AR5005502

that determine the entire process of paper formation; the second program is intended to study in some detail the parameters of the drying section of the paper machine. Methods are reported for determining the frequency of measurements, in which a continuous function is replaced by a time series of instantaneous values: (1) a method based on the random nature of disturbance which uses the statistical parameter characteristics one-to-one related to the maximum signal increment over a small fixed time interval; (2) a method based on investigating the random processes; by means of a process correlation function, the mathematical expectation of parameter deviations from their set values and of deviation durations is found with a degree of certainty. At present, a program of scanning is set on ELRU-2 which involves a minimum information loss (allowing for a minimum parameter waiting time): the weight of 1 m<sup>2</sup> paper web is measured eight times during one cycle; the pulp concentration, four times; headbox level, two times, etc. Thus, 25-30 sensors measuring the process parameters with suitable frequency of scanning can be connected to the 56-point-capacity information machine. The ELRU-2 machine supplies a large information content needed for determining functional relations among the parameters. A calculation of the net cost of product is also reported. Distribution of the principal components per one ton of paper is presented, as is a list of quantities subject to measurement for obtaining the present production cost of a unit product. A formula is

Card 2/3

L 63221-65

ACCESSION NR: AR5005502

supplied for calculating the production cost over any interval of time. It is hoped that the ELRU machine can be used for more accurate determination of parameter correlation and ties (equations of regression). Two illustrations. Bibliography: 3 titles.

SUB CODE: DP, IE

*dm*  
Card 3/3

ACC NR: AP6035699

(A)

SOURCE CODE: UR/0413/66/000/019/0046/0046

INVENTOR: Gaitman, S. A.; Perepelov, B. M.; Ruvinskiy, L. G.; Pivnik, Ye. D.;  
Petrova, G. N.

ORG: none

TITLE: Method of producing electrodes for chemical current sources. Class 21,  
No. 186535

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 46

TOPIC TAGS: electrode<sup>design</sup>, storage battery

ABSTRACT: An Author Certificate has been issued for a method of producing positive electrodes of the fluosilicic system by galvanically depositing protective and active coatings on iron tape. The electrodes are then stamped and the coatings removed from the current-conducting part of the base by plunging them into an aqueous solution of acetic or nitric acid and hydrogen peroxide, then rinsing them in water before and after depositing the solder. To reduce spashing of electrolyte and to improve operating conditions, an admixture of isoamyl alcohol in a quantity of 10 cm<sup>3</sup> per liter of solution is introduced into this water solution.

SUB CODE: 09, 10/ SUEM DATE: 17May64/ '1

Card 1/1

UDC: 621.3.035.2.002.2

L 33381-66 EWP(k)/EVT(d)/EWT(m)/T/EWP(1)/EWP(v) IIP(c) DS  
ACC NR: AP6021433 SOURCE CODE: UR/0413/66/000/011/0031/0032

INVENTOR: Ruvinskiy, L. G.; Gantman, S. A.; Petrova, G. N.; Plvnik, Ye. D.

16  
B

ORG: none

TITLE: Machine for manufacturing electrodes for chemical power sources. Class 21, No. 182199

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 31-32

TOPIC TAGS: electrode manufacturing equipment

ABSTRACT: This Author Certificate introduces an automatic machine for manufacturing electrodes for chemical power sources, e.g., positive electrodes for silicofluoro-

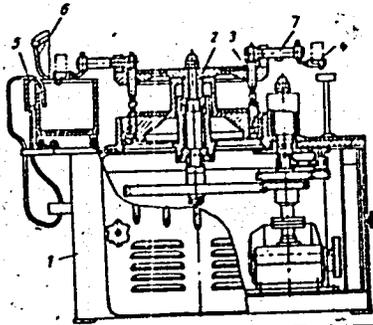


Fig. 1. Machine for manufacturing electrodes for chemical power sources

- 1 - Frame; 2 - drum with drive; 3 - sliding blocks; 4 - combs; 5 - tanks with solutions; 6 - suction; 7 - rods.

Card 1/2

UDC: 621.3.035.2.002.2

L 33381-66

ACC NR: AP6021433

hydrogen power sources, consisting of a rotating drum, sliding blocks, electrode holders, tanks with solutions, circulation pumps and electric heaters (see Fig. 1). To improve both the automatic feature of the machine and the quality of electrodes produced, it is equipped with rods rigidly fixed in the sliding blocks and evenly distributed in a circle. Orig. art. has: 1 figure. [JR]

SUB CODE: 13/ SUBM DATE: 27Mar64/ ATD PRESS: 5026

Card 2/2 JS

LETOKHOV, V.S.; VATSURA, V.V.; PUKHLIK, Yu.A.; FEDOTOV, D.I.; KOSOZHICHIN,  
A.S.; ZHABOTINSKIY, M.Ye.; DASHEVSKAYA, Ye.I.; KOZLOV, A.N.;  
RUVINSKIY, L.G.; VASIN, V.A.; YURGENEV, L.S.; NOVOMIROVA, I.Z.;  
-PETROVA, G.N.; SHCHEDROVITSKIY, S.S.; BELYAYEVA, A.A.; BRYKINA,  
L.I.; GLEBOV, V.M.; DRONOV, M.I.; KONOVALOV, M.D.; TARAPIN, V.N.;  
MIKHAYLOVSKIY, S.S.; ZHEGALIN, V.G.; ZHABIN, A.I.; GRIBOV, V.S.;  
MAL'KOV, A.P.; CHERNOV, V.N.; RATNOVSKIY, V.Ya.; VOROB'YEVA, L.M.;  
MILOVANOVA, M.M.; ZARIPOV, M.F.; KULIKOVSKIY, L.F.; GONCHARSKIY,  
L.A.; TYAN KHAK SU

Inventions. Avtom. i prib. no.1:78-80 Ja-Mr '65. (MIRA 18:8)

KUZNETSOV, V.L.; KONDRASHOV, V.A.; RUVINSKIY, L.L.

Increasing labor productivity in seismic prospecting based on  
the introduction of surface booms. Razved. geofiz. no.5:33-38 '65.  
(MIRA 18:9)

GLAUBERMAN, G.Ye. [Glauberman, G.I.]; RUVINSKIY, M.A. [Ruvins'kiy, M.A.]

Nonradiative ionization of dislocations by Vanier-Rott excitons.  
Ber. fiz. zhur. 10 no.7:806-809 J1 '65. (MIRA 18:8)

L'vivskiy gosudarstvennyy universitet im. Franko.

ACC NR: AR6036980 (A,N) SOURCE CODE: UR/0181/66/008/011/3335/3338

AUTHOR: Glauberman, A. Ye.; Ruvinskiy, M. A.

ORG: L'vov State University im. I. Franko (L'vovskiy gosudarstvennyy universitet)

TITLE: Influence of excitons on the absorption of ultrasound in piezoelectric semi-conductors

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3335-3338

TOPIC TAGS: ultrasound absorption, exciton, piezoelectric effect, elastic scattering, absorption coefficient, semiconductor crystal

ABSTRACT: The article is devoted to the absorption of sound resulting from interaction between excitons and longitudinal piezoelectric oscillations, under the assumption that the mean free path of the exciton is much larger than the length of the sound wave. The excitons are assumed to be nonlocalized, of the Wannier-Mott type. The piezoelectric interaction between the excitons and the sound may turn out to be so large that even when screened by free charges it leads in many cases to noticeable acoustic effects. The feasibility of separating the exciton absorption from the electronic absorption is first discussed. The absorption coefficient is determined with allowance for elastic scattering only, under the assumption of Maxwell-Boltzmann statistics. The result is then approximated for a cubic crystal such as CdS, and a value of 1.2 - 12 db/cm is obtained for the absorption coefficient. Estimates show that to produce a stationary exciton concentration of  $10^{14}$  -  $10^{15}$  cm<sup>-3</sup>

Card 1/2

ACC NR: AP6036980

in CdS, the required illumination intensity is  $0.57 - 5.7 \text{ w/cm}^2$ , which is experimentally feasible. Other factors necessary for physical realization of exciton amplification of ultrasound are sufficient purity of the single crystals. Orig. art. has: 6 formulas.

SUB CODE: 20/    SUBM DATE: 20Apr66/    ORIG REF: 008/    OTH REF: 004

Card. 2/2

L 00534-66 EWT(1)/EWT(m)/I/EWP(t)/EWP(b)/EWA(c) JD  
ACCESSION NR: AP5018641 UR/0185/65/010/007/0806/0808

AUTHOR: Hlauberman, A. Yu. (Glauber<sup>44.55</sup>man, A. Yu.); Ruvins'kyi, M. A. (Ruvinskiy, M. A.) <sup>44.55</sup>

TITLE: Nonradiative ionization of dislocations by Wannier-Mott excitons <sup>44.55</sup>

SOURCE: Ukrayins'kyi fizychnyy zhurnal, v. 10, no. 7, 1965, 806-808 <sup>44.55</sup>

TOPIC TAGS: exciton, dislocation, dipole ionization, recombination, optic transition, valence band, conduction band

ABSTRACT: The note presents the results of considering a simple model of a screw dislocation about whose axis  $v_d$  electrons (or holes) are located per cm of length of the dislocation. The calculation is illustrated by the example of dipole ionization. Using the law of conservation of energy and the conservation of the z-component of the quasimomentum (the dislocation field along z is uniform), expressions are obtained for the probability of the dipole ionization of the dislocation per second by nonradiative energy transfer to the exciton by the dislocation electron. An expression is also obtained for the probability of the dipole ionization of a dislocation per second by exchange nonradiative recombination when the electron of the dislocation recombines with the exciton hole and the exciton electron ionizes the dislocation by means of the energy freed in the recombination. The

Card 1/2

L 00504-66

ACCESSION NR: AP5018641

first of these expressions turns out to be independent of the electron quasimomentum along the dissociation axis. The case of dislocations, unlike that of point defects, is characterized by anisotropy--the probability depends on the angle between the axis of the dislocation and the vector  $r_{01}$ , the value of the matrix element of the optical dipole transition between the valence and conduction bands at  $k = 0$ . A simple relationship is obtained for the ionization probabilities in the case of impurity centers and two limiting cases are considered. Orig. art. has: 7 formulas.

ASSOCIATION: L'vivs'kyy derzhuniversytet im. Franka [L'vovskiy gosudarstvennyy universitet im. Franko] (L'vov State University) 44, 55

SUBMITTED: 02Feb65

ENCL: 00

SUB CODE: SS

NR REF SOV: 002

OTHER: 002

*mlr*  
Card 2/2

18005-63

EWT(1)/EWP(q)/EWT(m)/BDS AFFTC/ASD/IJP(C) JD

ACCESSION NR: AP3001295

S/0181/63/005/006/1706/1713

AUTHOR: Ruvinskiy, N. A.

60  
56

TITLE: ~~Elastic scattering of nonlocalized Mott excitons at dislocations~~  
Elastic scattering of nonlocalized Mott excitons at dislocations

SOURCE: Fizika tverdogo tela, v. 5, no. 6, 1963, 1706-1713

TOPIC TAGS: scattering, exciton, mean free path, dislocation, impurity center, phonon, screw dislocation

ABSTRACT: The author's study stemmed from the complete lack of investigations on the scattering of excitons at extended structural defects (such as dislocations). He made a theoretical examination of elastic scattering of nonlocalized excitons at fixed, purely linear, and purely screw dislocations in a crystal and found the effective cross section of such scattering. For a screw dislocation he has computed the relaxation time and mean free path. The free path of an exciton scattered at dislocations has been compared with the free path of an exciton scattered at impurity centers and thermal vibrations of the lattice. It was found that at temperatures below 6.3K, at a concentration of impurities of about  $10^{16}$  per  $\text{cm}^3$  and at a concentration of dislocations of about  $10^6$  per  $\text{cm}^3$  the

Card 1/2

L 18005-63

ACCESSION NR: AP3001295

mean free path depends chiefly on scattering of the exciton at dislocations. In these calculations, dislocations were considered to be fixed. The author states that the movement of dislocations should introduce no substantial correction at low temperatures. "In conclusion I express deep thanks to Professor A. Ye. Glauberman for his discussions and to A. A. Lipnik for a number of useful remarks, and also to Professor V. L. Bonch-Bruyevich for very valuable discussions." Orig. art. has: 34 formulas. 4

ASSOCIATION: Drogoby\*chskiy pedagogicheskiy institut (Drogobych Pedagogical Institute)

SUBMITTED: 14Dec62

DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: PH,MA

NO REF SOV: 018

OTHER: 007

Card 2/2

L 45747-65 EWT(1) GS  
ACCESSION NR: AT500621

UR/0000/64/000/000/0022/0027

9  
8  
811

AUTHOR: Ruvins'kyy, M. A. (Ruvinskiy, M. A.)

TITLE: Influence of impurities on the energy spectrum of Mott excitons

SOURCE: L'vov. Universytet. Pytannya fizyky tverdogo tila (Problems in solid state physics). L'vov, Vyd-vo L'viv. univ., 1964, 22-27

TOPIC TAGS: exciton, energy spectrum, impurity effect, impurity concentration, exciton scattering

ABSTRACT: The article considers the case of sufficiently small concentration of impurity and its influence on the energy spectrum of nonlocalized Mott excitons. The analysis is restricted to elastic scattering of the exciton by impurity centers, which are either interstitial ions or vacancies. It is shown that the influence of the interaction with the impurities does not reduce simply to a change in the effective mass in the literal sense of the word, for the dispersion law itself changes in the region of thermal energies which is of interest, and the very notion of a definite dispersion law becomes approximate in the absence of an im-

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L 45747-55

ACCESSION NR: AT500621

purity, since the attenuation under conditions prevalent for semiconductors can turn out to be larger than the correction to the spectrum. This effect is more strongly pronounced for excitons (bound states) than for electrons. An appendix presents the extension of the analysis to the case of the scattering of excitons which are in an arbitrary excited state. "The author thanks Professor A. Yu. Hlauberman (A. Ye. Glauberman) for a discussion of the results." Orig. art. has: 20 formulas.

ASSOCIATION: None

SUBMITTED: 22Jun64

NR REF SOV: 006

ENCL: 00

SUB CODE: 88

OTHER: 002

Card <sup>AJ</sup> 2/2

L 45746-65 EWT(1) GS  
ACCESSION NR: AT5009622

UR/0000/64/000/000/0028/0031

AUTHOR: Ruvins'kyi, M. A. (Ruvinskiy, M. A.)

TITLE: Temperature dependence of the spectrum of the Frenkel excitons due to "quasi-Pauli statistics."

SOURCE: L'viv. Universitet. Pytannya fizyky tverdogo tila (Problems in solid state physics). L'viv, Vyd-vo L'viv. univ., 1964, 28-31

TOPIC TAGS: exciton, commutation relation, temperature dependence, energy spectrum, Frenkel exciton

ABSTRACT: A crystal is considered with nondeformed grating, and with one valence electron in excess of the closed shell at each site. The electron is assumed to be either in the normal or in the first excited state. The spin characteristics of the electrons are disregarded, and the excited states are assumed nondegenerate. The temperature dependence of the energy spectrum of the Frenkel excitons is determined in explicit form. It is shown that that part of the temperature dependence which is brought about by the quasi-Pauli commutation relations of the exciton operators must be taken into account as is customary for spin waves in the

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L 45746-65

ACCESSION NR: AT5009622

theory of ferromagnetism. The analysis shows that the approach used in the many-electron problem, which combines the method of quasi-particle transitions with the procedure of quantum Green's functions, can be useful also in the theory of exciton states, and makes it easy to obtain the temperature dependence of the spectrum of the Frenkel excitons due to the "quasi-Pauli statistics" of the exciton. "The author is grateful to A. Yu. Hlauberman (A. Ye. Glauberman) for continuous interest and valuable advice." Orig. art. has: 13 formulas.

ASSOCIATION: None

SUBMITTED: 22Jun64

NR REF SOV: 004

ENCL: 00

SUB CODE: 88

OTHER: 000

Card

230  
2/2

RUVINSKIY, P.M., inzh.

Capron rings replacing aluminum rings. Ugol' Ukr. 3 no.9:36  
S '59. (MIRA 13:2)

(Mine timbering)

KHORUNZHIY, V.A., red.; RIBAS, Yu.M., red.; BORISEVICH, Z.S., red.;  
VERTYACHIKH, V.G., red.; KOST'YEV, N.K., red.; MOVSESOV, N.S.,  
red.; ZHIGULIN, Yu.V., red.; RAKOVICH, I.I., red.; RUVINSKIY,  
V.A., red.; TULIN, V.S., red.; FETISOV, P.A., red.; FILIMONOV,  
P.V., red.; IGLITSYN, I.L., red.; LARIONOV, G.Ye., tekhn.red.

[Rules for the manufacture of explosion-proof electric equipment]  
Pravila izgotovleniya vzyvozhishchennogo elektrooborudovaniya.  
Moskva, Gos.energ.izd-vo, 1960. 54 p. (MIRA 13:11)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po avtoma-  
tizatsii i mashinostroyeniyu.

(Electric apparatus and appliances)

RUVINSKIY, V.A., inzh.; ZHURAVLEVA, G.V., inzh.

Portable illuminating units for oil wells. Bezop.truda v prom. 3  
no.8:25-27 Ag '59. (MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po tekhnike bezopasnosti v neftyanoy promyshlennosti.  
(Oil wells--Equipment and supplies)

RUVINSHTEYN, C. YE.

RUVINSHTEYN, O.Ye., inzhener (Zhmerinka); SERGEYEV, A.I., inzhener (Zhmerinka)

Using motor rail cars for switching. Zel.dor.transp. 39 no.4:69-70  
Ap '57. (MLRA 10:5)

(Railroad motorcars)

KHODAK, P.A.; RUVINSKAYA, I.N., Blyuss, TS.M.

Utilizing spent alkali in the thylax process for gas purification.  
Gaz.prom. 4 no.8:17-18 Ag '59. (MIRA 12:11)  
(Gorlovka--Gas purification)

78 DC 603  
RUVINSKAYA, L.A.

Characteristics of the argumentation process in senior students.  
Vop. psikh. no.4:126-138 J1-Ag '64.

(MIRA 17:11)

1. Institut teorii i istorii pedagogiki Akademii pedagogicheskikh  
nauk RSFSR, Moskva.

RUVINSKAYA R. V.,

IA 172T22

USSR/Electricity - Batteries  
Spectrography

Sep/Oct 50

"Spectral Analysis For the Battery Industry," Kh. Kh.  
Sak, R. V. Ruvinskaya, State Union Sci Res Bat Inst

"Iz Ak Nauk SSSR, Ser Fiz" Vol XIV, No 5, pp 655-659

Selects best methods to detect bismuth, copper and  
arsenic in lead oxide used for bat and admix in cad-  
mium. Compared results of chemical and spectral  
analysis showed good agreement.

172T22

*Ruvinskiy, Semen Mikhailovich*

PHASE I BOOK EXPLOITATION

372

Ruvinskiy, Semen Mikhailovich, and Starets, Iosif Samoylovich  
Modernizatsiya uzlov treniya prokatnykh stanov (Improving  
Friction Elements of Rolling Mills) Moscow, Metallurgizdat,  
1957. 189 p. 2,500 copies printed.

Ed.: Korolov, A.A., Candidate of Technical Sciences; Ed. of  
Publishing House: Bagin, A.A., Engineer; Tech. Ed.:  
Attopovich, M.K.

PURPOSE: This book is intended for engineers and technicians in  
the maintenance and operations section of metallurgical plants.  
It may also be of use in developing new equipment or modernizing  
existing equipment in rolling mills.

COVERAGE: The sixth Five-year Plan provides for a 40 percent increase  
in the production of rolled stock through better utilization of  
existing equipment. An important factor in this respect is the  
reducing of downtime due to unscheduled repairs of high-  
mortality friction elements in rolling mills. Methods of  
replacing sliding bearings in tube rolling mills with anti-  
friction bearings without major structural changes

Card 1/5

Improving Friction Elements of Rolling Mills

372

are described and evaluated in detail. The emphasis is on quick-replacement techniques without affecting output. These methods were developed and tested at the Leningrad Engineering Bureau of Soyuzpodshipniksbyt. The author acknowledges the assistance and contributions of the following: Yakimovich, A.F. (deceased), and Garmash, E.E., both of the Izhorski plant; Pukh, P.P.; Berdyanskiy, M.G.; and Shibayev, L.F. of the plant imeni Lenin; Sominskiy, Z.A.; Ganets, F.M.; and Falin, V.A. of the Sinarskaya pipe plant; Verigo, V.P. and Shubik, M.A., of the Chelyabinsk pipe plant; Gredasov, P.V., and Gremyachkin, N.L., of the Novotrubnyy plant; Likhoradov, P.I. of the Petrovski plant.

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Friction assemblies

5

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GO/ksv

6/30/58

Card 5/5

RUVINSKIY, D.A.

Method for locating phase and ground faults in a 380 volt network  
supplying power for deep well pumps. Energ.biul.no.10:7-10 0 '55.  
(Short circuits) (MLRA 9:1)

KRYLOV, M.V., inzhener; RUVINSKIY, I.A., inzhener; SHAUFLER, N.G., inzhener.

Maintenance and repair of highways in mountain and taiga  
regions. Avt.dor. 20 no.3:10-12 Mr '57. (MLRA 10:5)  
(Roads--Maintenance and repair)

RUVINSKIY, L.I. (Moskva)

Some problems of self-education in adolescents. Vop. psikhol,  
no.4:94-104 JI-Ag '63. (MIRA 17:1)

\*

RUVINSKIY, M.A. [Ruvins'kyi, M.A.]

Interaction between nonlocalized Mott excitons and dislocations.  
Ukr. fiz. zhur. 9 no.9:1009-1015 S '64.

(MIRA 17:11)

1. Drogobychskiy pedagogicheskiy institut im. I.Franko.

RUVINSKIY, M.A.

Elastic scattering of nonlocalized Mott excitons on dis-  
locations. Fiz. tver. tela 5 no.6:1706-1713 Je '63.  
(MIRA 16:7)

1. Drogobychskiy pedagogicheskiy institut.

EWG(k)/EWT(1)/BDS/EEC(b)-2--AFFTC/ASD/ESD-3--Pz-4--AT/IJP(C)  
L 10046-63

ACCESSION NR: AE3000381 S/0058/63/000/004/E071/E071

SOURCE: RZh. Fizika, Abs. 4E474

AUTHOR: Glauberan, A. Yu.; Ruvins'kiy, M. A.

TITLE: Internal photoeffect in the polar model for the case of a nondegenerate spin-closed system

CITED SOURCE: Visnyk L'vivs'k. un-tu. Ser. fiz., no. 1(8), 1962, 45-49

TOPIC TAGS: Internal photoeffect, polar model, effective-mass approximation

TRANSLATION: A theoretical investigation is made of the main features of the internal photoeffect by methods of nonstationary perturbation theory in the second-quantization representation and in the effective-mass approximation. The model of an atomic semiconductor is used, in which each atom has a shell consisting of two s-electrons. When light is absorbed there are generated in the crystal triplets and holes with oppositely-directed quasi-momenta, which act pairwise as carriers. The absorption of light has a resonant character with a resonant frequency that obeys the Einstein law for the photoeffect, formulated

Card 1/2

L 10046-63

ACCESSION NR: AR3000381

for elementary excitations of the crystal in the assumed model. The end-point frequency of the internal photoeffect is determined by the activation energy of the hole-triplet pair. Unlike in the single-electron theory, the law of energy conservation is formulated for the entire many-electron system as a whole. The elementary character of the light-absorption process is retained only for elementary excitations of the entire crystal, and not for the individual electrons. This result does not depend on the specific model and is a general law. The absorption spectrum is a band whose width is determined by the width of the band of current states. Yu. Ravich

DATE ACQ: 14May63 ENCL: 00 SUB CODE: PH

cs/ja

Card 2/2

I 5324-66 EWP(a)/EWP(m)/EWP(i)/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) IJP(c)

ACC NR: AP5026270

JD/HW

UR/0226/65/000/010/0011/0018

52  
45  
B

AUTHOR: Vinogradov, G. A.; Kalutskiy, G. Ya.; Ruvinskiy, S. M.

44,55 44,55 44,55

TITLE: Fabrication of steel-aluminum wire by a powder-metallurgical method

SOURCE: Poroshkovaya metallurgiya, no. 10, 1965, 11-18

44,55 14

TOPIC TAGS: electric wire, electric cable, aluminum powder, steel, metal rolling, bimetal

ABSTRACT: The use of steel-aluminum wire in electric transmission lines and cables is highly advantageous, chiefly because its corrosion resistance is virtually as high as that of pure electrolytic copper. Its production, however, is difficult owing to the considerable difference between the melting points and plasticities of aluminum and steel. In this connection, on the basis of a recently developed method of producing bimetal sheets by rolling powder onto a compact substrate (G. A. Vinogradov, Yu. N. Semenov, Prokatka metallicheskih poroshkov, Metallurgizdat, 1960), the authors explored the possibility of producing bimetal steel-aluminum wire by hot rolling of aluminum powder onto steel wire with subsequent cold roll compacting to assure an adequate interlocking between sheath and core. The core used in the experiments was low-carbon steel wire of 5 mm diameter (0.05% C, 0.02% Si, 0.26% Mn) and Al powder (0.46% Fe, 0.18% Si, < 0.001% Cu). The sequence of operations was as follows:

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 surface treatment of steel wire (degreasing, etc.); preheating of steel wire, rolling of aluminum powder onto steel wire with subsequent roll compacting; heat treatment of the wire and its reeling into coils. To this end, a special rolling mill with one breakdown stand and two finishing stands was designed as well. The wire thus produced displays mechanical and technological properties which meet the requirements of the cable industry for bimetal steel-aluminum wire. The electric conduction of the powdered-metal aluminum sheath does not differ from the electric conduction of rolled aluminum ingots. Orig. art. has: 4 figures, 3 tables.

ASSOCIATION: Institut problem materialovedeniya AN UkrSSR (Institute for the Study of Materials, AN UkrSSR)

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RUVINSKIY, S. M.

Modernization of Rolling-Mill Gear Housings. S. M. Ruvinskiy, I. B. Starov, and E. E. Varinarah. (Stal', 1953, (9), 849-851. [In Russian]. On the basis of practical experience the design of rolling-mill bearings is discussed and the substitution of ball for friction bearings at heavily-loaded points is recommended.—S. M.

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SORENZON, A.P., dotsent; RUVINSKIY, M.D., inzh.

Continuous method for control and stability of the quality indices of television transmitters. Vest. sviazi 23 no.7:10-11 J1 '63. (MIRA 17:2)

1. Odesskiy elektrotekhnicheskiy institut sviazi (for Ruvinskiy).

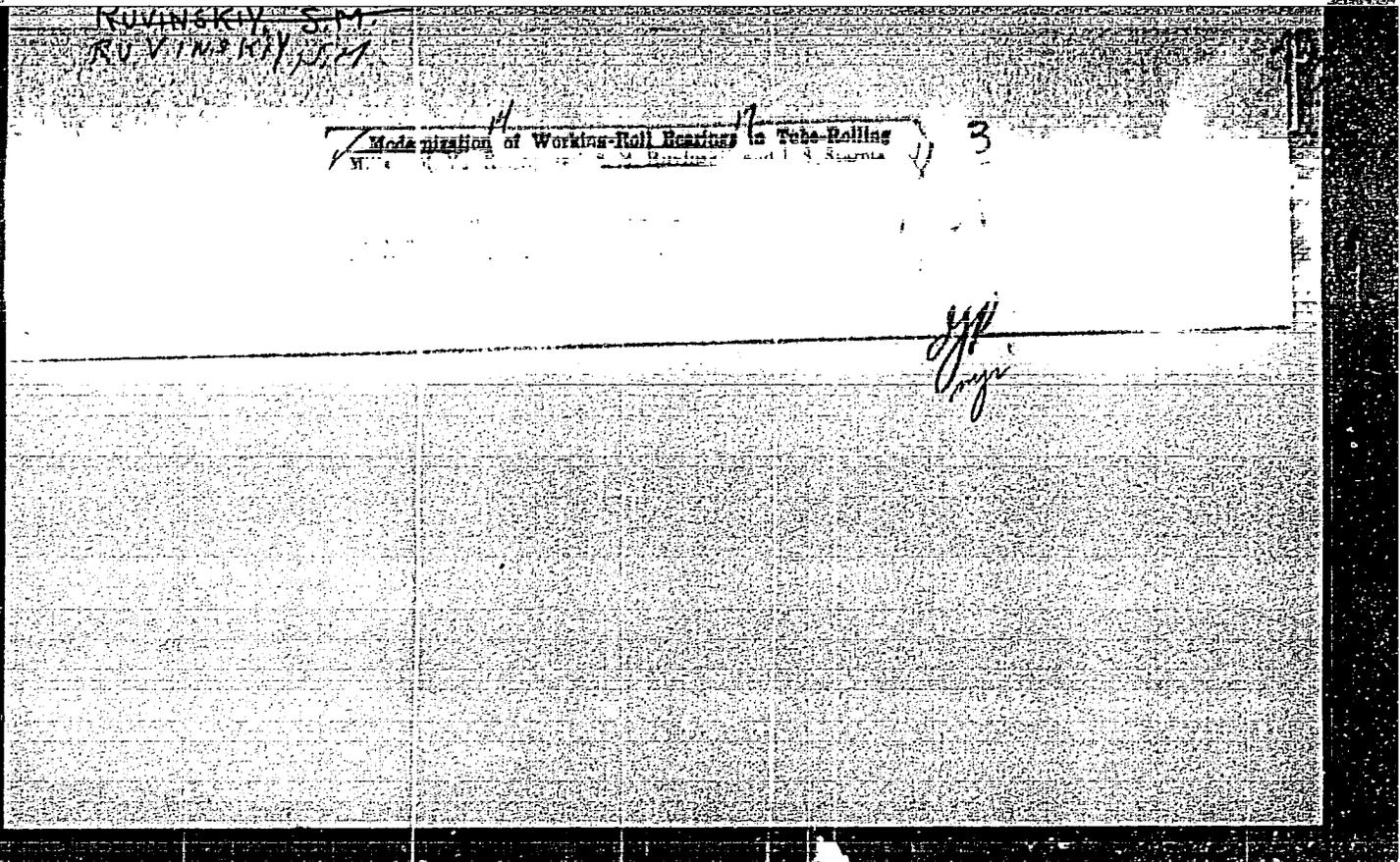
RUVINSKIY, Semen Mikhaylovich; STARITS, Iosif Semoylovich; KOROLEV, A.A.,  
kandidat tekhnicheskikh nauk, redaktor; VAGIN, A.A., inzhener,  
redaktor izdatel'stva; ATTOPOVICH, M.K., tekhnicheskiy redaktor

[Improving friction points of rolling mills] Modernizatsiia uzlov  
treniia prokatnykh stanov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry  
po chernoi i tsvetnoi metallurgii, 1957. 189 p. (MLRA 10:9)  
(Rolling mills) (Bearings)

ROVINSKIY, S.M., inzhener.; STARETS, I.S., inzhener.; GARMASH, Ye.Ye., inzhener.

Modernization of gear cages on rolling mills. Stal' 16 no.9:849-951  
S '56. (MIRA 9:11)

1. Leningradskoye montazhno-tekhnicheskoye byuro tresta "Soyuzpodshipnik-  
sbyt" i Izhorskiy zavod.  
(Rolling mills)



STARETS, I.S.; RUVINSKIY, S.M.; SAZONOVA, K.N.

Modernization of bearing mountings on papermaking machines and  
supercalenders. Bum.prom. 31 no.9:15-20 S '56. (MLRA 9:11)

1. Leningradskoye montazhno-tekhnicheskoye byuro tresta Soyuzpod-  
shipniksbyt.

(Papermaking machinery) (Bearings (Machinery))

STARETS, I.S., inzh.; RUVINSKIY, S.M., inzh.

New type of drive. Bum. prom. 33 no.5:23 My '58. (MIRA 11:6)

1. Leningradskoye montazhno-tekhnicheskoye byuro po podshipnikam.  
(Power transmission) (Universal joints (Mechanics))

RUVINSKIY, S.M.

130-58-2-13/21

AUTHORS: Ruvinskiy, S.M., Starets, I.S. and Shulyatskiy, D.I.

TITLE: Modernization of Rolling-mill Gear Boxes (Modernizatsiya shesterennykh kletey prokatnykh stanov)

PERIODICAL: Metallurg, 1958, Nr 2, pp 24 - 26 (USSR)

ABSTRACT: In recent years, many rolling mills in the USSR have been converted from friction to roller bearings. Housings are, however, sometimes encountered in which this cannot be done normally because of the comparatively small diameters of the original surrounding and the relatively large radial dimensions of roller bearings. The author shows that the best way of overcoming this difficulty is to adopt a staggered arrangement of bearings and gives examples of how this has been effected on a 270 wire mill (Fig.1), a light-section mill (Fig.2) and a three-high strip mill (Fig.3). He discusses the axial fixing of the journals and the possibility of locating the fixing bearings on the middle, driving shaft, instead of on the outer shafts, as in his examples. He gives 25 to 30 thousand hours as the estimated service life of the radial bearings in gear boxes and recommends his method of modernisation for various forms of heavy equipment.

Card 1/1 There are 3 figures.

AVAILABLE: Library of Congress

1. Rolling mills-Equipment

STARETS, I.S., inzh.; HUVINSKIY, S.M., inzh.

Modernization of shaft bearings for vibrating chip  
screens. Bum.prom. 35 no.7:17-18 Je '60.  
(Bearings(Machinery))

*Ruvinskiy*  
KRICHEVSKIY, M.Ya., inzhener; RUVINSKIY, S.M., inzhener; STARETS, I.S.,  
inzhener.

The modernization of pipe rolling mill ballbearing supports  
for working rolls. Stal' 15 no.12:1117-1120 D '55.(MLRA 9:2)

1.Glavtrubostal' i Leningradskoye montazhno-tekhnicheskoye  
byuro.

(Rolling mills) (Bearings (Machinery))

RUVINSKIY, V.A.; ZHURAVLEVA, G.V.

Lighting in underground oil well repair. Trudy VNIITB  
no.11:45-52 '59. (MIRA 15:5)  
(Oil wells--Lighting)

RUVINSKIY, V.A.; VOL'PE, S.M.

Safe method for determining the absence of voltage on the  
current-conducting parts of equipment in explosion-hazardous  
places. Trudy VNIITB no.11:53-62 '59. (MIRA 15:5)  
(Electric apparatus and appliances--Safety measures)

ZHURAVLEVA, G.V.; ~~RUVINSKIY, V.A.~~

Lighting in major oil well repairs. Trudy VNIITB no.13:47-54  
'60. (MIRA 14:12)

(Oil wells--Equipment and supplies)  
(Electric lighting)